

ABSTRACT OF THE DISCLOSURE

A driving mechanism causes particulate material to advance on a reciprocating tray. The driving mechanism is connected to a first bar and causes it to reciprocate. The tray rests on the first bar and it too reciprocates. The first bar is spaced apart from a second bar but is attached to it by a spacer. The second bar is mounted in bearings for rotation. The tray may be mounted on oscillating supports attached to a base which underlies the tray. Each of the supports have joints which interconnect the supports with the tray and the base. A resilient insert is mounted within each joint and opposes the forward movement of the tray and assists the tray to return to its starting position.